

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2003/001495

A. CLASSIFICATION OF SUBJECT MATTER					
Int. Cl. ⁷ : H02K 3/28					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT,IEEE (windings, end turn, lap)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Y	EP 1134872 A2 (MITSUBISHI DENKI KABUSHIKI KAISHA) 19 September 2001 Abstract, column 3 line 45 to column 4 line 17, figures	1			
Y	EP 1109289 A2 (MITSUBISHI DENKI KABUSHIKI KAISHA) 20 June 2001 Abstract, figures	1			
Y	EP 1039616 A2 (HONDA GIKEN KOGYO KABUSHIKI KAISHA) 27 September 2000 Abstract, figure 12	1			
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex					
<p>* Special categories of cited documents:</p> <table style="width: 100%;"> <tr> <td style="width: 33%;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </td> <td style="width: 33%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p> </td> <td style="width: 33%;"></td> </tr> </table>			<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>	
<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>				
Date of the actual completion of the international search 13 January 2004		Date of mailing of the international search report 16 JAN 2004			
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4678931 A (OLSEN et al.) 7 July 1987 Abstract, figures, column 1	1
Y	WO 86/03900 (SUNDSTRAND CORPORATION) 3 July 1986 Abstract, Fig.3	1
Y	EP 124267 A2 (CARD-O-MATIC PTY. LIMITED) 7 November 1984 Abstract	1
	NOTE: All Y documents could be combined.	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/AU2003/001495

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
EP	1134872	JP	2001258191	US	2001020807	US	2002190596
EP	1109289	EP	1109285	EP	1109286	EP	1109287
		EP	1109290	EP	1109291	EP	1109292
		EP	1109293	EP	1109294	EP	1109295
		EP	1109296	EP	1109299	EP	1353431
		JP	2001178054	JP	2001178093	JP	2001186704
		JP	2001186729	JP	2001186738	JP	2001197713
		JP	2001211584	JP	2001211586	JP	2001211590
		JP	2001211621	JP	2001238384	JP	2001245446
		JP	2001251819	JP	2001298885	US	6268678
		US	6366000	US	6373163	US	6396185
		US	6455972	US	6459187	US	6501204
		US	6501205	US	6504283	US	6657352
		US	2002047478	US	2002047486	US	2002092152
		US	2003159272				
EP	1039616	JP	2000270506	US	6252327		
US	4678931	US	4635350				
WO	86/03900	NONE					
EP	0124267	AU	25283/84	DD	218505	DK	152584
		ES	8600583	FI	840899	HU	35430
		IN	160558	JP	59185146	NO	840834
		PL	246888	TR	22175	US	4594775
		US	4641421	ZA	8401822		
END OF ANNEX							